

Inventors: Steward et al.
Attorney Docket: P-AR 4802

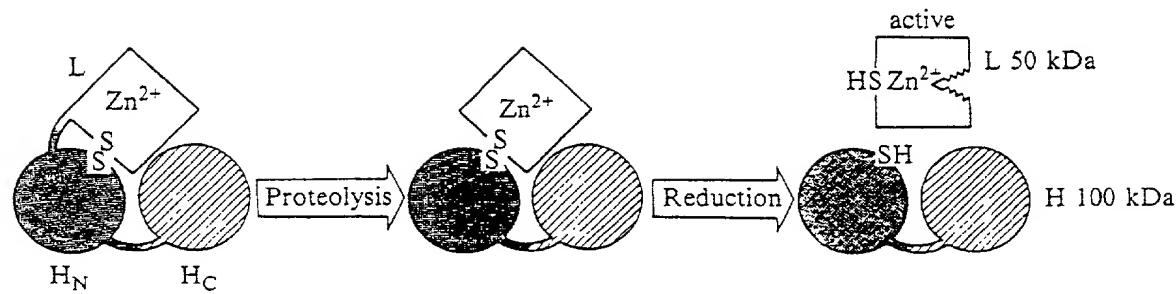


FIGURE 1

100330-39024569

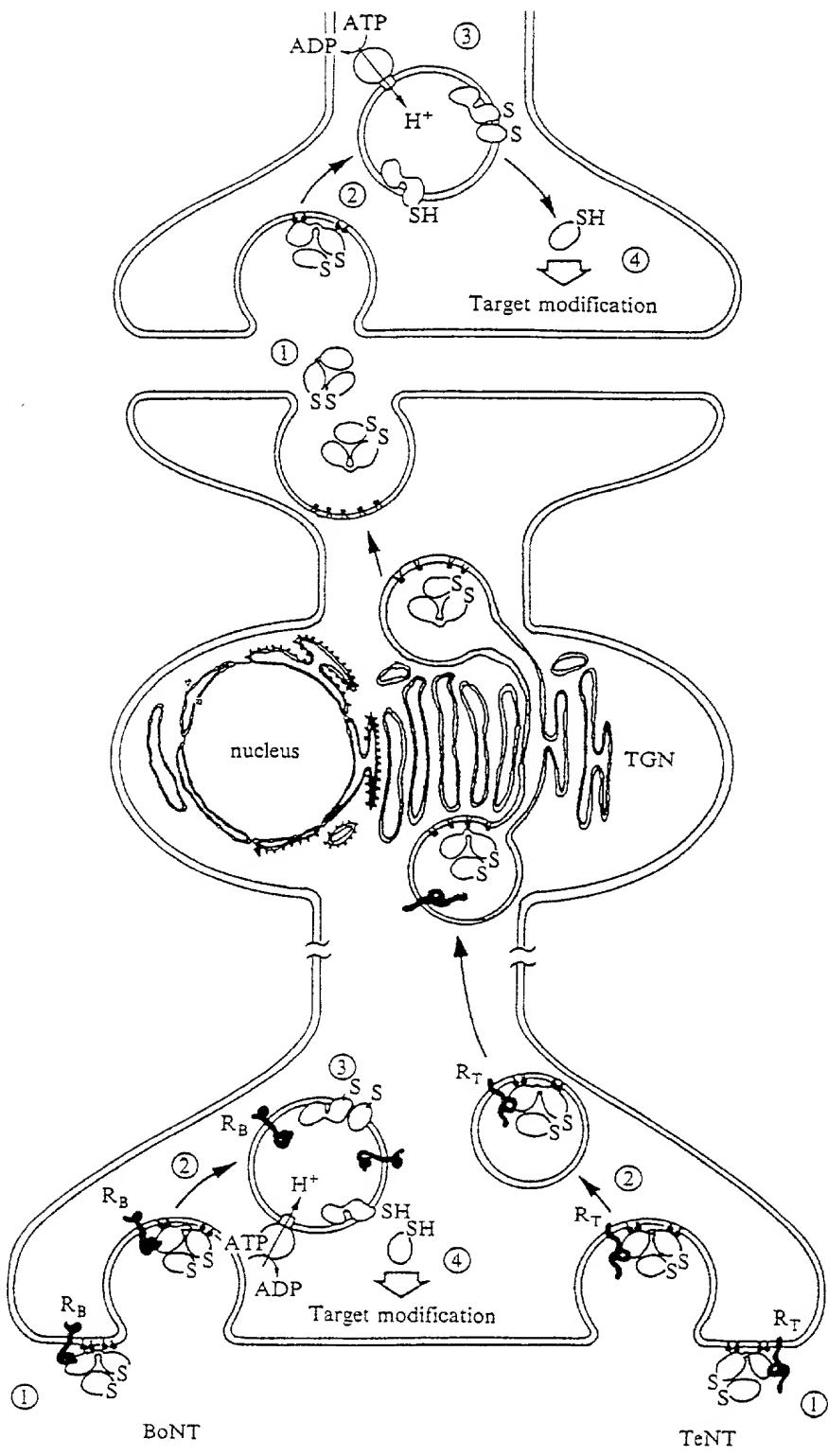


FIGURE 2

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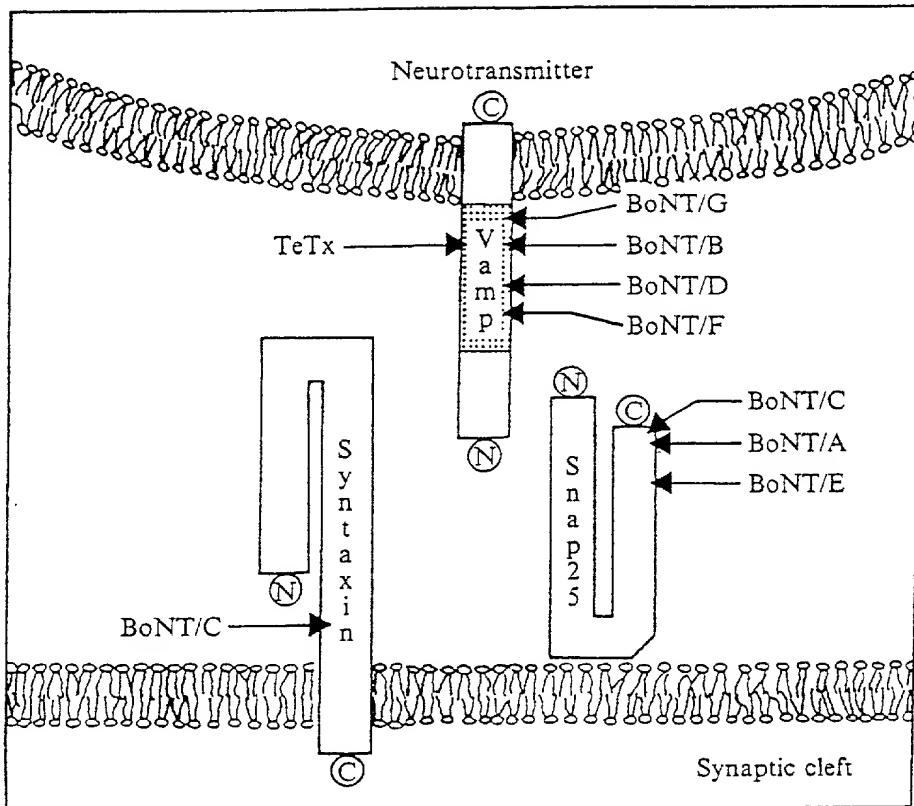
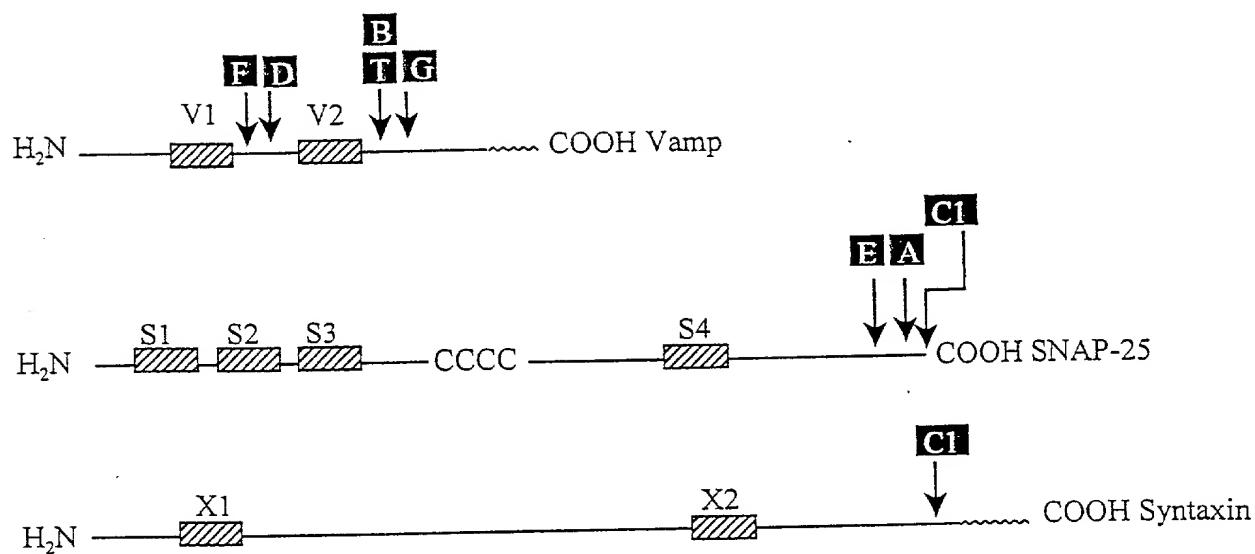


FIGURE 3

09512092 - 095201

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A.



B.

h ⊕ ⊖ x h ⊕ x h p

C.

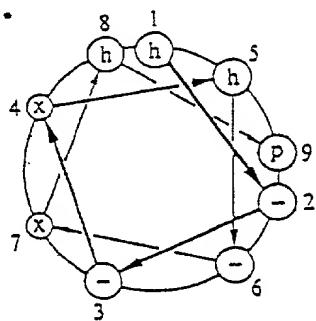


FIGURE 4

SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	(1) ----- MAEDADMRENEEMORRADQADESLESSTRMLOLVVEESDAGIRTLWLDQGEQLERIEEGM ⁷⁵ (1) ----- MAEDADMRENEEMORRADQADESLESSTRMLOLVVEESDAGIRTLWLDQGEQLERIEEGM ⁷⁵ (1) MPADPSEEVAPQVKTEEEELQINAQVADESLSTTRMLAECESKEAGIRTMLVALDDQGEQLEDRIEEGM ⁷⁵ (1) ----- MAEDADMRENEEDMQARADLQGDESLESSTRMLOLVVEESDAGIRTLWLDQGEQLEDRIEEGM ⁷⁵ (1) ----- MEDONDAMRSEEELQIOMQSNNQIDESLESSTRMLQMAEESQDMGIKTPWMLDQGEQLEDRIEEGM ⁷⁵ (1) ----- MAEDADMRENEEMORRADQADESLESSTRMLOLVVEESDAGIRTLWLDQGEQLEDRIEEGM ⁷⁵
SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	(69) KDMKEAEKMLTDLGKFETCVCPN -- KLKSSDAYTKWGNNOQGVVAS - QPARVDERENAISSGGF ¹⁵⁰ (69) KDMKEAEKMLTDLGKFETCVCPN -- KLKSSDAYTKWGNNOQGVVAS - QPARVDERENAISSGGF ¹⁵⁰ (76) ADMREAEKMLSGMEKCCGICVLPCNQSFKEDDG -- TWKGNDGKVWNOPRNMDDRNGMMAQAGYIGR ¹⁵⁰ (69) KDMKEAEKMLTDLGNCGLCOPCPN -- KLKG -- GOSWGNNOQGVVSS - QPARVDERENAISSGGF ¹⁵⁰ (71) TDMREAEKMLTGLEKCCGICVOPWKUGNFEGKDDYKRTWKGDICKVNSHQPIRMEDDRGGGNASMI ¹⁵⁰ (69) QDMKEAEKMLTDLGKCCGFIOPCN -- KLKSSDAYTKWGNNOQGVVAS - QPARVDERENAISSGGF ¹⁵⁰
SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	(140) DARENEMDENITQVSIGNLRMAMIDQIDIONQIDRIMEKADSNKTRIDEAN --- QPATKMLIGSG ¹⁵¹ (140) DARENEMDENITQVSIGNLRMAMIDQIDIONQIDRIMEKADSNKTRIDEAN --- QPATKMLIGSG ¹⁵¹ (14B) DAREDEMEEEMQVNTMIGTENLMLDQGSELENQOIDRIMEGESNEARLAVAN --- ORHOLIK ¹⁵¹ (137) DARENEMDENITQVSIGNLRMAMIDQIDIONQIDRIMADSNKTRIDEAN --- QPATKMLIGSG ¹⁵¹ (146) DAREDEMENITQVSIGNLRMAMIDQIDIONQIDRIMELIPIKGLMKPTSVQRCASAVVKCSKYFL ¹⁵¹ (140) DARENEMDENITQVSIGNLRMAMIDQIDIONQIDRIMEKLIPIKGLMKPTSVQRCASAVVKCSKYFL ¹⁵¹
SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	(207) ----- (207) ----- (213) ----- (204) ----- (213) ----- (215) LMLSQRAVPSCTYHGTYLLGHHTCTYQPHCKCCPV ²²⁶
SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	(207) ----- (207) ----- (213) ----- (204) ----- (213) ----- (215) LMLSQRAVPSCTYHGTYLLGHHTCTYQPHCKCCPV ²²⁶
SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	(207) ----- (207) ----- (213) ----- (204) ----- (213) ----- (215) LMLSQRAVPSCTYHGTYLLGHHTCTYQPHCKCCPV ²²⁶

FIGURE 5

SEARCHED # 20

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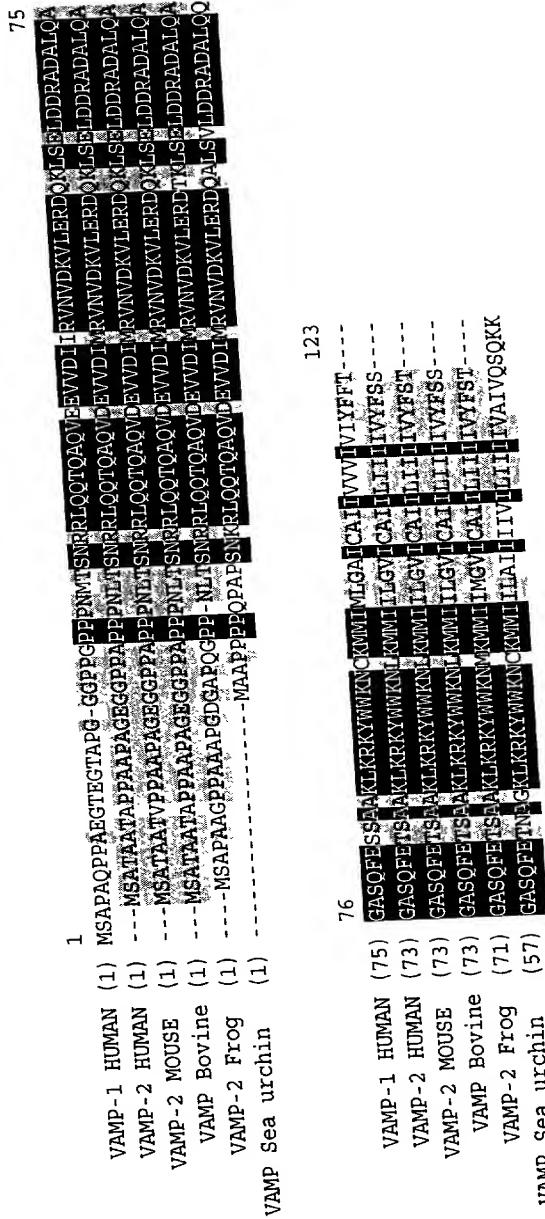


FIGURE 6

SCANNED # 20

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1	Syntaxin 1A	human	(1) -MKDRQEIRTAK -DSDDDDDVTVTD -RQFMDDEEEVEEIRGFDKIAENIEEVKRMISLILASPDIDDKK	
	Syntaxin 1B2	human	(1) -MKDRQEILTSAK -DSDPDEEVWHD -RQHMDDEEEVEEIRGCTBKLSDEOKKQHSNLLAPIDDEKK	
	Syntaxin 1A	mouse	(1) -MKDRQEIRTAK -DSDDDDDVTVTD -RQFMDEEEVEEIRGFDKIAENIEEVKRMISLILASPDIDDKK	
	Syntaxin 1a	drosophil a	(1) MTKDRLAAHQAQDSEEEETEVAVNDGHSSYMDDEFAVEETRMDKVQDNALEVVKHSQILISPAQIDDKK	
	Syntaxin A. C.	elegans	(1) MTKDRLSAIKAQDSEEQDDMHEMDTG -NQYMEEEVEEIRGSVDTIANNVEEVKHSQILISNPINDOKK	
	Syntaxin	Sea urchin	(1) -MRDRLLSILKRN -EDVGPPPEAVNVE -SKEMEEEEEVEEVNNTDKISKMDDEVKHSQILISPAQIDDKK	

151	Syntaxin 1A	human	(148)	RIGRQLIEIIGRTTSEELMLESCPAIFASGIMDSSISQALSEETRHSEITRKLENSIRKLHDMFIDWAML
	Syntaxin 1B2	human	(147)	RIGRQLIEIAGRTTNEEELMLESCPAIFASGIMDSSISQALNEETRHNEITRKLETSIRKLHDMFIDWAML
	Syntaxin 1A	mouse	(148)	RIGRQLIEIIGRTTSEELMLESCPAIFASGIMDSSISQALSEETRHSEITRKLETSIRKLHDMFIDWAML
	Syntaxin 1a	drosophila	(151)	RIGRQLIEIIGRTTSEELMLESCPAIFASGIMDSSISQALSEETRHSEITRKLETSIRKLHDMFIDWAML
	Syntaxin A C. elegans		(149)	RIGRQLDIACKRGVDDELEIETSGNGVFTOGITIDIQQKOTLADLEARHNDIURKLESSIRKLHDMFIDWAML
	Syntaxin Sea urchin		(148)	RIGRQLIEIIGRTTSEELMLESCPAIFASGIMDSSISQALSEETRHSEITRKLETSIRKLHDMFIDWAML

			2.93
2.26			
Syntaxin 1A	human	(223) VESQGEMDRIEYNTIEHADWYERAVSDTIKKAVYOSKARRKIMIICCVILGIVIASTVGGIFRA--	
Syntaxin 1B2	human	(222) VESQGEMDRIEYNTIEHSVWDYERAVSDTIKKAVYOSKARRKIMIICCVVLGVVIASSIGATGLG--	
Syntaxin 1A	mouse	(223) VESQGEMDRIEYNTIEHADWYERAVSDTIKKAVYOSKARRKIMIICCVILGIVIASTTIGFG--	
Syntaxin 1a	drosophila	(226) VESQGEMDRIEYHEHAMDYQTATDIKKAKLYOSKARRKIMIICCVILGIVIASTVGGIFRA--	
Syntaxin A C. elegans		(224) VESQGEMDRIEYNTIEHAKEDFDRAVADTIKKAVYOSKARRKICLIVGIVILITGLIFILFYAVKL	
Syntaxin Sea urchin		(223) VESQGEMDRIEYNTIEQSVDWYETAKMDTIKKAVYOSKARRKIFYIACCSVVALGIVLVLIIVIA--	

FIGURE 7